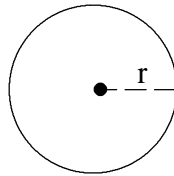


REFERENCE SHEET — GRADE 8

The following information is for your reference.

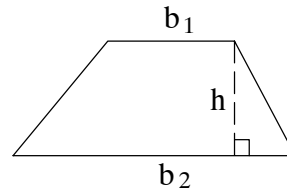
Note: Figures in this test are drawn as accurately as possible, except when it is specifically stated in a problem that the figure is not drawn to scale.

$$\pi \approx 3.14 \text{ or } \frac{22}{7}$$

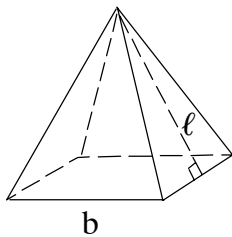


$$C = 2\pi r$$

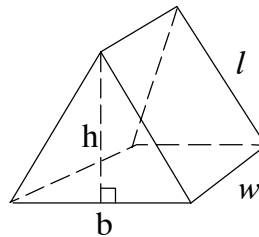
$$A = \pi r^2$$



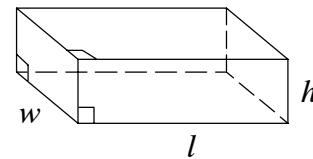
$$A = \frac{1}{2}h(b_1 + b_2)$$



$$SA = b^2 + 4\left(\frac{1}{2}b\ell\right)$$

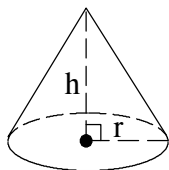


$$SA = 2\left(\frac{1}{2}bh\right) + 2lw + bw$$



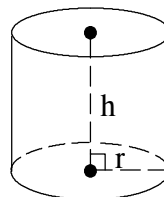
$$V = lwh$$

$$SA = 2hl + 2hw + 2lw$$



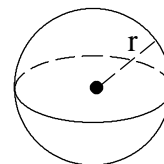
$$V = \frac{1}{3}\pi r^2 h$$

$$SA = \pi r^2 + \pi r \sqrt{r^2 + h^2}$$



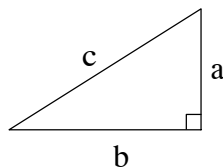
$$V = \pi r^2 h$$

$$SA = 2\pi r^2 + 2\pi rh$$



$$V = \frac{4}{3}\pi r^3$$

$$SA = 4\pi r^2$$



Pythagorean Theorem: $a^2 + b^2 = c^2$